

ABSTRACT OF THE DISCLOSURE

A method and device for disturbance sensing in the drive system of a numerically controlled machine tool or similar device is disclosed, in which at least one drive motor for positioning of a machine part being moved such as an advance slide or an X/Y cross-slide is coupled via one or more transmission elements in which the position of the moving machine part is measured directly on the machine part and also indirectly in at least one location in the transmission chain. Direct and indirect position measured values are compared and the measured value comparison value is used to record a disturbance with consideration of the actual operating conditions, such as machining speed and acceleration/delay, optionally moved masses and machine-specific process forces upon fulfillment of a specific criterion.

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